United States Department of Agriculture | Forest Service | Northeastern Area State & Private Forestry | 180 Canfield Street Morgantown, WV 26505

ACOE WV-OH D+M Z

Reply To: 3460

Date: January 5, 1993

Mike Fowles
U.S. Army Corps of Engineers
Pittsburgh District
Loyalhanna Lake
R.D. #2
Saltsburg, PA 15681-9302

Dear Mr. Fowles:

A summary of the 1983-1992 gypsy moth trapping program conducted at five U.S. Army Corps of Engineers sites within the Pittsburgh District is enclosed for your information (Table 1). Also maps showing the trap locations are enclosed for these sites with the exception of Berlin Lake. The trap data we received from Berlin Lake did not include a map. The purpose of the trapping program is to monitor low level gypsy moth populations and to help us determine when more ~~quantifiable~~ effective survey methods should be employed.

At all five sites (Berlin Lake, Michael J. Kirwan Dam, Mosquito Creek Lake, Stonewall Jackson Dam and Tygart Lake) male moth catches have been increasing over the last several years. Two sites, M.J. Kirwan Dam and Tygart Lake, had trap averages over 50 moths per trap in 1992. Tygart Lake trap results increased from 63 moths/trap (range 0-213) in 1991 to 71 moths/trap (range = 20-169) in 1992. M.J. Kirwan Dam had a significant increase in trap averages in 1992. The trap averages at M.J. Kirwan increased from 17 moths/trap (range = 11-22) in 1991 to 67 moths/trap (range = 20-212) in 1992. Personnel at both sites conducted an egg mass survey (five-minute walk) and found no gypsy moth egg masses.

The trapping results at all five sites indicate that the gypsy moth should not have any significant impact at these Corps projects in the immediate future. We would like to see the trapping program continued at the same intensity at all five Corps projects in 1993.

Thank you for your continued cooperation and if you have any questions regarding these results, please call me at (304) 285-1556.

Sincerely,

Karen D. Felton

KAREN D. FELTON
Biological Technician
Forest Health Protection

cc: AO
Robby L. Young ~~Leo Jay Summers~~, Berlin Lake
Susan Kline, Michael J. Kirwan Dam
Douglas Krider, Mosquito Creek Lake
James Devore, Stonewall Jackson Lake
Patrick A. Docherty, Tygart Lake
Allen Baumgard, OHDA
Charles Coffman, WVDA
Jan Hacker, WVDA

KDF/mae

Table 1.--Summary of the 1983-1992 gypsy moth trapping results, Pittsburgh District, U.S. Army Corps of Engineers.

Berlin Lake (Portage, Stark and Mahoning Counties, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983			No traps sent
1984	10	16	2,5
1985	10	0	--
1986	10	16	1,3-8
1987			Traps not returned
1988	12	9	1,4,11
1989			Traps not deployed
1990	?	74	All
1991	11	63	All
1992	15	370	All

Michael J. Kirwan Dam (Portage County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	10	0	--
1984	10	0	--
1985	10	0	--
1986	10	9	1,4-6,8,9
1987	10	1	1
1988	10	4	3,6,7
1989	10	56	All
1990	10	97	All
1991	10	168	All
1992	10	673	All

Mosquito Creek Lake (Trumbull County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	10	1	2
1984	10	0	--
1985	10	5	2,3,10
1986	10	48	All
1987	10	63	All
1988	10	59	All
1989	10	132	1,2,3,6,7,9
1990	10	130	All
1991	10	233	All
1992	10	335	1,2,4,6,7,9,10

Table 1. (continued)

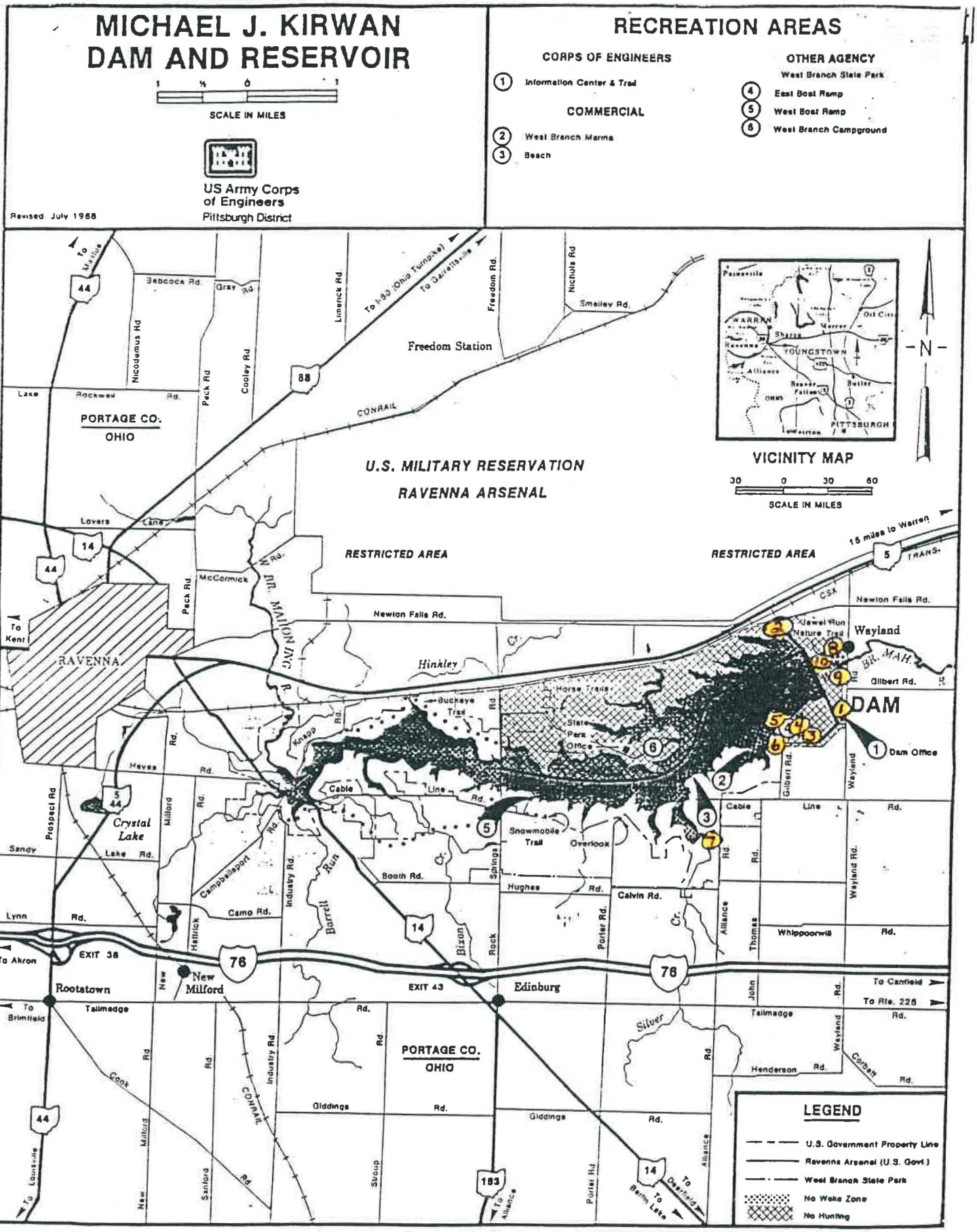
Stonewall Jackson Dam (Lewis County, WV)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983			No traps sent
1984	20	0	--
1985	23	1	6
1986	24	5	2,5,10,14,24
1987	24	4	18,23
1988	25	2	4,11
1989	25	6	11,16,18,20,22
1990	25	51	19,20-23
1991	25	19	5-9,15,17,18,20,23-25
1992	27	123	All except 2,23,25

Tygart Lake (Taylor County, WV)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	10	0	--
1984	10	3	8,1 or 2
1985	10	4	1,6
1986	9	25	1,3,6-9
1987	11	48	All except 4,5,11
1988	13	10	8-11
1989	13	564	All except 9
1990	13	785	All
1991	12	755	All except 3
1992	12	854	All

Figure 1.--1992 location of gypsy moth traps.



=Positive moth catch

Figure 2.--1992 location of gypsy moth traps.

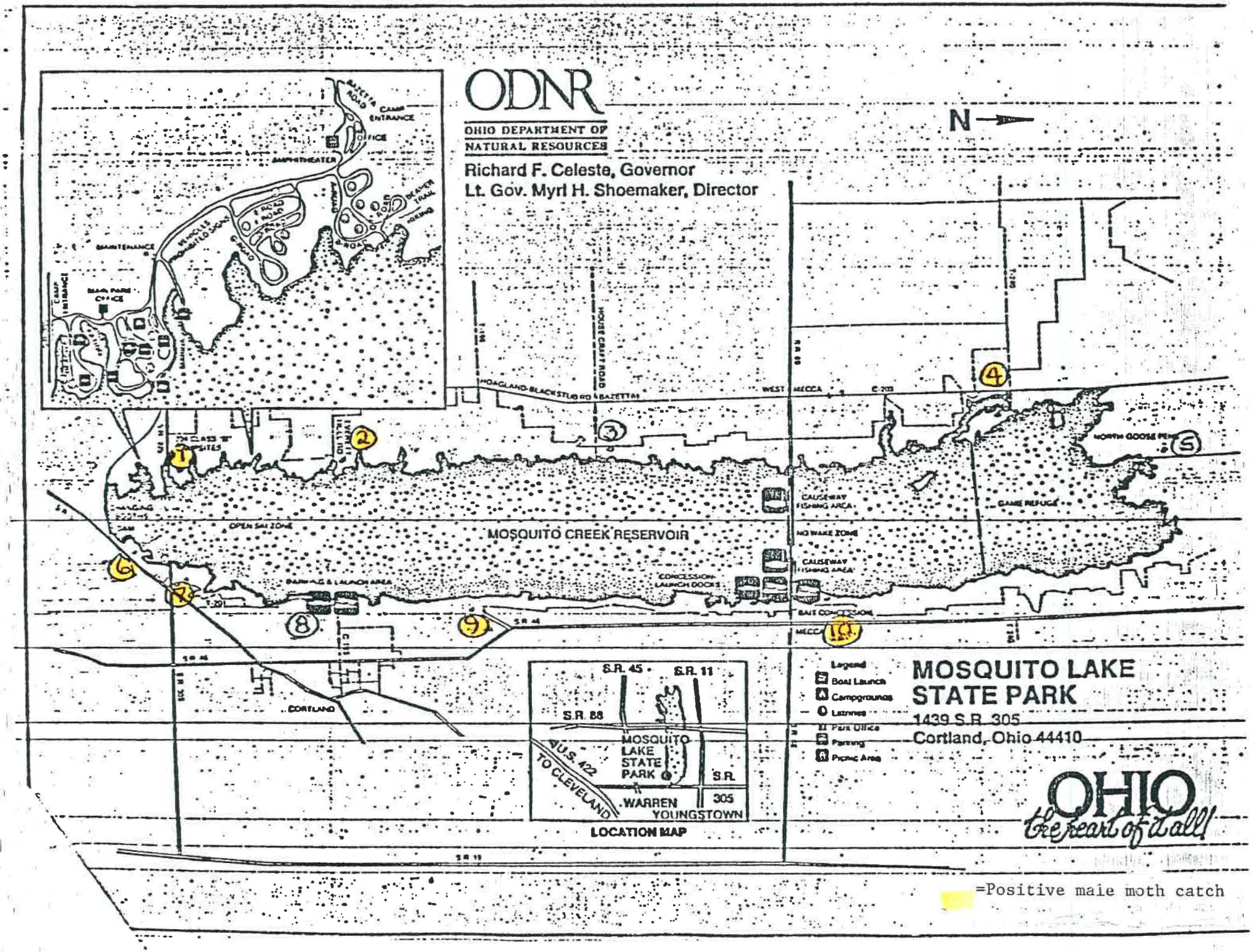
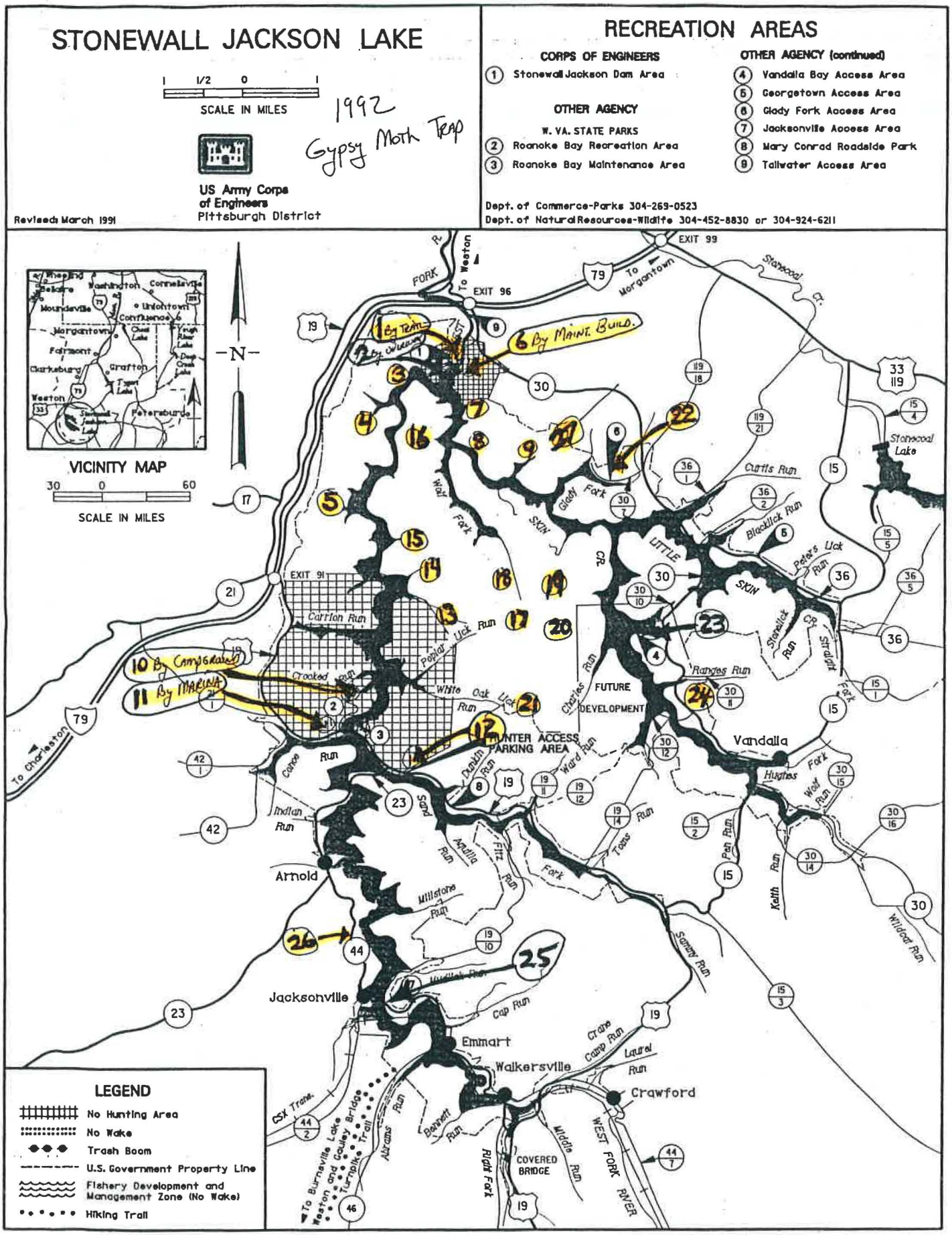


Figure 3.--1992 location of gypsy moth traps.



=Positive male moth catch

Figure 4.--1992 location of gypsy moth traps.